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Biological Services Program

FWS/OBS-78/31
June 1978

Rare and Endangered Vertebrates of the Southeastern United States Coastal Plain

A Summary of Public Concern for Sensitive Wildlife



Fish and Wildlife Service

U.S. Department of the Interior

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The Biological Services Program was established within the U.S. Fish and Wildlife Service to supply scientific information and methodologies on key environmental issues that impact fish and wildlife resources and their supporting ecosystems. The mission of the program is as follows:

- To strengthen the Fish and Wildlife Service in its role as a primary source of information on national fish and wildlife resources, particularly in respect to environmental impact assessment.
- To gather, analyze, and present information that will aid decisionmakers in the identification and resolution of problems associated with major changes in land and water use.
- To provide better ecological information and evaluation for Department of the Interior development programs, such as those relating to energy development.

Information developed by the Biological Services Program is intended for use in the planning and decisionmaking process to prevent or minimize the impact of development on fish and wildlife. Research activities and technical assistance services are based on an analysis of the issues a determination of the decisionmakers involved and their information needs, and an evaluation of the state of the art to identify information gaps and to determine priorities. This is a strategy that will ensure that the products produced and disseminated are timely and useful.

Projects have been initiated in the following areas: coal extraction and conversion; power plants; geothermal, mineral and oil shale development; water resource analysis, including stream alterations and western water allocation; coastal ecosystems and Outer Continental Shelf development; and systems inventory, including National Wetland Inventory, habitat classification and analysis, and information transfer.

The Biological Services Program consists of the Office of Biological Services in Washington, D.C., which is responsible for overall planning and management; National Teams, which provide the Program's central scientific and technical expertise and arrange for contracting biological services studies with states, universities, consulting firms, and others; Regional Staff, who provide a link to problems at the operating level; and staff at certain Fish and Wildlife Service research facilities who conduct inhouse

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RARE AND ENDANGERED VERTEBRATES
OF THE SOUTHEASTERN
UNITED STATES COASTAL PLAIN

A
Summary of Public Concern For
Sensitive Wildlife

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Performed for
National Coastal Ecosystems Team
Office of Biological Services
Fish and Wildlife Service
U.S. Department of the Interior

DISCLAIMER

The opinions, feelings, conclusions, and recommendations expressed in this report are those of the authors and do not necessarily reflect the views of the Office of Biological Services, Fish and Wildlife Service, U.S. Department of the Interior, nor does mention of trade names or commercial products constitute endorsement or recommendation for use by the Federal Government.

PREFACE

The information contained in this report was collected during the development of a format to be recommended for the preparation of species accounts for endangered and threatened species in the coastal area of Southeastern United States. Frequently, respondents to our inquiries requested information about which species were cited as endangered or threatened by neighboring States. This report was prepared to help meet the need to know where species are protected and which species are being proposed by groups having a special interest in endangered or threatened species.

Any suggestions or questions regarding *Rare and Endangered Vertebrates of the Southeastern United States Coastal Plain--a summary of public concern for sensitive wildlife* should be directed to:

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INTRODUCTION

The table beginning on page 11 collates all available lists of rare and endangered vertebrate species occurring on the Coastal Plain of the southeastern United States. The area considered consists of terrestrial and aquatic habitats from the Potomac River to the Rio Grande and extends inland a distance of 100 km. The cetaceans have been omitted.

Listed species within the five vertebrate classes are grouped by order and alphabetized by common name. Scientific names are provided. The status of each species, as it appears on each list, is indicated in the appropriate column in the table. A total of 479 species is listed under one or more of several categories of endangerement on one or more of 24 rare and endangered species lists.

We have divided the various rare and endangered species lists into two basic types: PROTECTED refers to official Federal, State, or international treaty lists which provide legal protection for the species they list. LISTED refers to those lists which are not accompanied by protective legislation, such as those rare and endangered species lists compiled by academic or conservation groups.

The information in the table has been confirmed up-to-date as of 1 January 1978 and includes species added since the original publication of the various lists.

The lists reviewed and the categories of endangerment (with their abbreviations) follow:

PROTECTED (Lists accompanied by protective legislation)

CITES U.S. Department of the Interior, Fish and Wildlife Service. 1977. International trade in endangered species of wild fauna and flora - implementation of the convention. Federal Register 42(35):10462-10488.

App. I (Appendix I) - All species threatened with extinction which are or may be affected by trade.

App. II (Appendix II) - All species which, although not necessarily now threatened with extinction may become so unless trade in specimens of such species is subject to strict regulations in order to avoid utilization incompatible with their survival; and other species which must be subject to regulations in order that trade in specimens of certain species referred to (above) may be brought under effective control.

US U.S. Department of the Interior, Fish and Wildlife Service. 1977. Endangered and threatened wildlife and plants - republication of list of species. Federal Register 42(135):36420-36431.

E (Endangered) - Those species in danger of extinction throughout all or a significant portion of their range.

T (Threatened) - Those species likely to become endangered within the foreseeable future throughout all or a significant portion of their range.

The following States have signed cooperative agreements with the U.S. Fish and Wildlife Service and, in doing so, agree to protect all Federally listed species: Florida, Georgia, North Carolina, South Carolina, and Virginia.

VA Virginia has no official State list.

NC North Carolina Wildlife Resources Commission. 1977. Endangered and threatened species. Regulations 15 NCAC 10I. Raleigh.

E (Endangered) - Any resident species of wildlife which is in danger of extinction throughout all or a significant portion of its range, or any resident species which is designated as endangered under the provisions of the Federal Endangered Species Act of 1973.

T (Threatened) - Any resident species of wildlife which is likely to become an endangered species in the foreseeable future throughout all or a significant portion of its range, or any resident species which is designated as threatened under the provisions of the Federal Endangered Species Act of 1973.

SC South Carolina Wildlife and Marine Resources Department. 1975. Endangered wildlife species of South Carolina. Columbia.

E (Endangered) - Any species or subspecies of wildlife whose prospects of survival or recruitment within the State are in jeopardy or are likely within the foreseeable future to become so due to any of the following factors: (a) the destruction, drastic modification, or severe curtailment of its habitat, or (b) its overutilization for scientific, commercial, or sporting purposes, or (c) the effect on it of disease, pollution, or predation, or (d) other natural or manmade factors affecting its prospects of survival or recruitment within the State, or (e) any combination of the foregoing factors. The term shall also be deemed to include any species or subspecies of fish or wildlife appearing on the United States' List of Endangered Native Fish and Wildlife as it appears on the effective date of this act (Part 17 of Title 50, Code of Federal Regulations, Appendix D) as well as any species or subspecies of fish and wildlife appearing on the United States' List of Endangered Foreign Fish and Wildlife.

GA Georgia Department of Natural Resources, Game and Fish Division. [1975?] Rules and regulations for the protection of endangered, threatened, rare or unusual species. Atlanta.

E (Endangered) - Any resident species which is in danger of extinction throughout all or a significant portion of its range, or one which is designated as endangered under the provisions of the Federal Endangered Species Act of 1973.

T (Threatened) - Any resident species which is likely to become an endangered species within the foreseeable future, or one that is designated as threatened under the provisions of the Federal Endangered Species Act of 1973.

R (Rare) - Any resident species which, although not endangered or threatened as previously defined should be protected because of its scarcity.

U (Unusual) - Any resident species which exhibits special or unique features and because of these features deserves special consideration in its continued survival in the State.

FL Florida Game and Fresh Water Fish Commission. 1977. Wildlife code of the State of Florida. Tallahassee. 159 pp.

E (Endangered) - A species which is in danger of extinction throughout all or a significant portion of its range.

T (Threatened) - A species which may become an endangered species within the foreseeable future.

AL Alabama has no official State list.

MS Mississippi Game and Fish Commission. 1977. An order and regulations adopting an official list of endangered or threatened vertebrates of Mississippi. Public notice No. 1916. Jackson.

E (Endangered) - A species which is in danger of extirpation throughout all or a significant portion of its range in the State.

T (Threatened) - A species which may become an endangered species within the foreseeable future in the State.

LA Louisiana has no official State list.

TX Texas Parks and Wildlife Department. 1976. Regulations for taking, possessing, transporting, exporting, processing, selling or offering for sale, or shipping endangered species. 127.30.09.001-.006. Austin.

E (Endangered) - Fish or wildlife are classified as endangered species if they appear on the present United States list of endangered foreign or native fish and wildlife (50 C.F.R., Part 17), or if they are threatened with statewide extinction due to any of the following factors: The destruction, drastic modification or severe curtailment of its habitat; the overutilization of it for commercial or sporting purposes; the effect on it of disease or predation; or other natural or man-made factors affecting its continued existence.

PE (Proposed Endangered) - Self-explanatory.

LISTED

(Lists not accompanied by protective legislation)

VA Russ, Wayne P. 1973. The rare and endangered terrestrial vertebrates of Virginia. M.S. Thesis. Virginia Polytechnic Inst., Blacksburg. 339 pp.

E (Endangered) - A species or subspecies which is in danger of extinction throughout its range or one which is in danger of extirpation in Virginia unless assistance is given.

R (Rare) - A species or subspecies which, although it is not immediately threatened with extinction, is in such small numbers throughout its range that it may become endangered if its environment deteriorates or one that, although it may be plentiful outside of Virginia borders, is restricted to a few localities or an explicit habitat within Virginia where ecological alteration may lead to endangerment.

NC
(ETBNC) Cooper, John E., Sarah S. Robinson, and John B. Funderburg, eds. 1977. Endangered and threatened plants and animals of North Carolina. North Carolina St. Mus. Nat. Hist., Raleigh. 444 pp.

E (Endangered) - A species whose continued existence as part of the State biota is clearly and imminently at hazard; a species in danger of extinction or extirpation.

T (Threatened) - A species likely to become endangered within the foreseeable future if certain conditions are not met; a species which exhibits a considerable decrease in numbers deemed beyond the limit of normal fluctuation, or documented range contraction, but which is not yet considered endangered.

SC (Of Special Concern) - A species which exists in small populations (is rare) over a relatively broad range; is targeted for exploitation which could become extensive enough to pose a threat; which because of certain characteristics or requirements is especially vulnerable to specific pressures; or which is so designated for other reasons by experienced investigators.

SU (Status Undetermined) - A species for which insufficient data exist for precise assessment.

EXTIR (Extirpated) - Self-explanatory.

NC
(NCNHP) North Carolina Natural Heritage Program. 1977. Special animal species. North Carolina Dep. Nat. Econ. Resour., Raleigh.

E (Endangered), T (Threatened), SC (Of Special Concern), SU (Status Undetermined), Extir (Extirpated) - Same definitions as used in Symposium on Endangered and Threatened Biota of North Carolina (see above).

SC
(SCHTP) South Carolina Heritage Trust Program. 1977. Animal species of concern. South Carolina Wildl. Mar. Resour. Dep., Columbia.

SC (Special Concern) - Not defined.

GA
(ESG) McCollum, Jerry L., ed. 1974. Endangered species of Georgia. Proceedings of the 1974 conference sponsored by Georgia Dep. Nat. Resour. at Fernbank Sci. Ctr., Atlanta on May 3-4, 1974. 66 pp.

E (Endangered) - Any species which is in danger of extinction throughout all or a significant portion of its range in the State or one that is designated as endangered under provisions of Public Law 93-205.

T (Threatened) - Any species which is likely to become an endangered species within the foreseeable future within the State or one that is designated as threatened under provisions of Public Law 93-205.

R/U (Rare or Unusual) - Species with small populations in the State which, though not presently endangered or threatened as previously defined, are potentially at risk.

SU (Status Undetermined) - Species that are suspected of falling into one of the categories defined above, but for which available data are insufficient to provide a clear basis for decision.

EXTINCT - Self-explanatory.

FL
(FCREPA) Layne, James N., ed. 1976. Inventory of rare and endangered biota of Florida. Florida Audubon Soc. Florida Def. Environ. Microfilm. 1152 pp.

E (Endangered) - Taxa in imminent danger of extinction or extirpation and whose survival is unlikely if the causal factors presently at work continue operating.

T (Threatened) - Taxa believed likely to move into the Endangered category in the near future if the causal factors now at work continue operating.

R (Rare) - Taxa with small populations in the state which, though not presently endangered or threatened, are potentially at risk.

SC (Species of Special Concern) - A species that does not clearly fit into the endangered, threatened or rare category yet which, for certain reasons, warrants special attention.

SU (Status Undetermined) - Taxa which are suspected of falling into one of the above categories but for which the available data are insufficient to provide the basis for a decision.

REC EXTINCT (Recently Extinct) - Self-explanatory.

REC EXTIR (Recently Extirpated) - Self-explanatory.

AL
(ETPAA) Boschung, Herbert, ed. 1976. Endangered and threatened plants and animals of Alabama. Bull. Alabama Mus. Nat. Hist. 2: 1-92.

E (Endangered) - Are those species in danger of extinction throughout all or a significant portion of their range in Alabama. Endangered species are those whose prospects for survival are in immediate jeopardy. An endangered species must have help, or extinction and/or extirpation from Alabama will probably follow.

T (Threatened) - Are those species which are likely to become endangered within the foreseeable future throughout all or a significant portion of their range in Alabama.

SC (Special Concern) - Are those species which must be continually monitored because eminent degrading factors, their limited distribution in Alabama or other physical or biological characteristics may cause

them to become threatened or endangered in the foreseeable future.

EXTINCT - Self-explanatory.

EXTIR (Extirpated) - Self-explanatory.

MS
(RTVM) Rare and Endangered Species Committee and Mississippi Game and Fish Commission. 1975. A preliminary list of rare and threatened vertebrates in Mississippi. Jackson. 29 pp.

E (Endangered) - A species which is in danger of extinction throughout all or a significant portion of its range in the State.

T (Threatened) - A species which may become endangered within the foreseeable future in the State.

R (Rare) - A species which is in such small numbers throughout its range in Mississippi that it may be threatened or endangered if its environment worsens.

SU (Undetermined) - A species which has been suggested as possibly threatened or endangered but about which there is not enough information to determine its status.

PER (Peripheral) - A species whose occurrence in Mississippi is at the edge of its natural range.

EXTINCT - Self-explanatory.

MS
(MSNHP) Mississippi Natural Heritage Program. 1977. Special animal species. Mississippi Parks Comm., Bur. Outdoor Recreation, Jackson.

E (Endangered) - Those species in danger of extinction throughout all or a significant portion of their range in the State.

T (Threatened) - Those species likely to become endangered within the foreseeable future throughout all or a significant part of their range.

R (Rare) - Those species which have small and scattered populations throughout their range but which have not been designated endangered or threatened.

PER (Peripheral) - Those species rare or localized in the state because they are at the outer limits of their range. These species may be quite abundant elsewhere.

SC (Special Concern) - Not defined.

TX
(TOES) Texas Organization for Endangered Species. 1973-74. Summary statements on rare, endangered, and peripheral fishes, amphibians, reptiles, birds, and mammals in Texas. Baylor Univ., Dep. Biol., Waco.

E (Endangered) - Immediate threat to extirpation from Texas fauna.

R (Rare) - Population numbers are low over a wide area or common in restricted area.

D (Declining) - Populations appear less numerous today.

PER (Peripheral) - At the edge of their range in Texas.

IUCN International Union for Conservation of Nature and Natural Resources. 1966, 1968, 1972. Red data book. 3 vols. Morges, Switzerland.

E (Endangered) - In immediate danger of extinction.

R (Rare) - Not in immediate danger of extinction, but occurring in such small numbers and/or in such a restricted or specialized habitat that it could quickly disappear. Also includes V (Vulnerable).

D (Depleted) - Although still occurring in numbers adequate for survival, the species has been heavily depleted and continues to decline at a rate which gives cause for serious concern.

SU (Indeterminant) - Apparently in danger, but insufficient data available.

OD (Out of Danger) - Not defined.

SEWS Southeastern Section of The Wildlife Society. 1974. Endangered species workshop. Tallahassee, Florida.

E (Endangered), T (Threatened), SU (Status Undetermined), SC (Special Concern), PER (Peripheral), EXTINCT - Not defined.

AFS Miller, R. R. 1972. Threatened freshwater fishes of the United States. Trans. American Fish. Soc., 101(2):239-252.

E (Endangered) - Actively threatened with extinction; continued survival unlikely without implementation of special protective measures.

R (Rare) - Not under immediate threat of extinction but occurring in such small numbers and/or in such a restricted or specialized habitat that it could quickly disappear. Requires careful watching.

D (Depleted) - Although still occurring in numbers adequate for survival, the species has been heavily depleted and continues to decline at a rate substantially greater than can be sustained.

SU (Indeterminant) - Apparently threatened but insufficient data presently available on which to base a reliable assessment of status.

SSAR Ashton, Ray E. 1976. Endangered and threatened amphibians and reptiles in the United States. Soc. Study Amphib. Rept., Misc. Publ., Herpetol. Circ. 5. 65 pp.

Taxa are classified with respect to their status in each State. The State abbreviation follows the classification on the table.

E (Endangered) - A taxon that has become reduced in numbers throughout its range (or had its habitat reduced) to such a point that reproductive populations are extremely small or vulnerable to extirpation.

T (Threatened) - A taxon that is represented in only a limited part of what was once its total range, with reduced populations due to habitat destruction or poor State or Federal management.

R (Rare) - Those species or subspecies that are considered rare throughout the State or are found in environmental conditions disjunct from the normal geographic range of the species.

PER (Peripheral) - Those species or subspecies that reach the edge of their range in a State.

EXTIR (Extirpated) - Those taxa that have become extirpated in a State, for which there have been no verified specimens observed or collected for 25 years.

AOU

American Ornithologists' Union. 1975. Report of the American Ornithologists' Union Committee on Conservation. *Auk* 92(4, suppl.):1B-16B.

Categories assigned here on the basis of narrative provided in the AOU list.

AB

Arbib, Robert. 1976. The Blue List for 1977. *American Birds* 30 (6): 1031-1039.

BL (Blue List) - Those species which for any reason are now or seem to be substantially reduced in numbers either regionally or throughout their range.

Rare and Endangered Vertebrates of the Southeastern United States Coastal Plain

FISH	PROTECTED										LISTED												
	US	CITIES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Lampreys (<i>Petromyzontiformes</i>)																							
Lamprey, chestnut (<i>Petromyzon castaneus</i>)																							
Lamprey, sea (<i>Petromyzon marinus</i>)																							
Sturgeons (<i>Acipenseriformes</i>)																							
Paddlefish (<i>Polyodon spathula</i>)																							
Sturgeon, Atlantic (<i>Acipenser oxyrinchus</i>)	App. I				T	E				SC	SC	SC	SC	SC	SC	SC	SC	T	T	E	E	D	
Sturgeon, Pallid (<i>Scaphirhynchus albus</i>)																							R
Sturgeon, shortnose (<i>Acipenser brevirostrum</i>)	E	App. I	E	E	E				E	E	SC	SU	R									E	
Sturgeon, shovelnose (<i>Scaphirhynchus platorynchus</i>)																							
Sturgeon, undescribed (<i>Scaphirhynchus sp.</i>) (<i>Mississippi</i>)																							
Trot and Relatives (<i>Salmoniformes</i>)																							
Mudminnow, eastern (<i>Umbrina Pygmaea</i>)																							
Minnows (<i>Cypriniformes</i>)																							
Carpucker, river (<i>Carpioidea carpio</i>)																							
Chub, speckled (<i>Hybopsis actinota</i>)																						T	

FISH	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBRN	NCNHP	SCHNP	ESG	FCRP	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Minnows (cont'd)																							
Chub, undescribed (<i>Hybopsis</i> sp. I) (<i>North Carolina</i>)									SC	SC													
Chub, undescribed (<i>Hybopsis</i> sp. II) (<i>North Carolina</i>)									SC	SC													
Minnow, Cypress (<i>Hybognathus boyeri</i>)		T																T					
Redhorse, greyfin (<i>Morostoma</i> sp.) (<i>Florida</i>)		T															T						
Redhorse, river (<i>Morostoma cornutum</i>)		T														R/U	T						E
Shiner, banfin (<i>Notropis sonoriensis</i>)																	R						
Shiner, blacknouth (<i>Notropis</i> sp.) (<i>Florida</i>)																REC						T	
Shiner, bluenose (<i>Notropis wakaka</i>)																R/U	SC	R	R	R	R	R	
Shiner, bluetripe (<i>Notropis callifornicus</i>)		T														T	T	SC					T
Shiner, bridle (<i>Notropis bifrenatus</i>)																		E					
Shiner, broadstripe (<i>Notropis euryzonus</i>)																			SC				
Shiner, Cape Fear (<i>Notropis mekistocholas</i>)									SC	SC									SU/ PER	PER	PER		
Shiner, coastal (<i>Notropis petersoni</i>)																			SC	SC			
Shiner, dusky (<i>Notropis cummingiae</i>)																							

*This species has been recently (1976) rediscovered in Florida (C. Gilbert, pers. comm.)

FISH	PROTECTED						LISTED														
	US	CITIES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	IUCN	SFWs	AFS	SSAR	AOU
Minnows (cont'd)																					
Shiner, ironcolor (<i>Notropis chalybeus</i>)																					
Shiner, Ohooper (<i>Notropis leedsi</i>)																					
Sucker, blue (<i>Catostomus elongatus</i>)																					
Catfishes (Siluriformes)																					
Bullhead, snail <i>Oculodon basalis</i>																					
Bullhead, spotted (<i>Ictalurus punctatus</i>)																					
Mudtom, Carolina (<i>Notemus fuscus</i>)																					
Mudtom, frecklebelly (<i>Notemus maculatus</i>)																					
Mudtom, undescribed (<i>Notemus</i> sp.) (North Carolina)																					
Silversides and Topminnows (Atheriniformes)																					
Gambusia, mangrove (<i>Gambusia rhizophorae</i>)																					
Killifish, bluefin (<i>Lucania goodei</i>)																					
Killifish, southern Gulf (<i>Fundulus granulosus sargassum</i>)																					
Killifish, southern longnose (<i>Fundulus similis</i> sp.) (Florida)																					

FISH	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREP	EPA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Slversides and Topminnows (cont'd)																							
Killifish, marsh (<i>Fundulus confluentus</i>)																							
Killifish, pygmy (<i>Leptolucania ommata</i>)																							
Killifish, Key reinwater (<i>Lucania sp.</i>) (Florida Keys)																							
Killifish, spotfin (<i>Fundulus laciac</i>)																							
Killifish, Waccamaw (<i>Fundulus waccamensis</i>)																							
Minnow, sheepshead (<i>Cyprinodon</i> <i>annegrenatus</i>) (Florida Keys)																							
Molly, Key sailfin (<i>Poecilia sp.</i>) (Florida Keys)																							
Pupfish, Lake Eufris (<i>Cyprinodon variegatus bubbi</i>)																							
Rivulus (<i>Rivulus marmoratus</i>)																							
Silverside, Key (<i>Menidia coecaformis</i>)																							
Silverside, Waccamaw (<i>Menidia extensa</i>)																							
Topminnow, banded (<i>Fundulus cingulatus valenciennesi</i>)																							
Topminnow, salt marsh (<i>Fundulus jenkinsi</i>)																							

FISH	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBN	NCNHP	SCHTP	ESG	FCRFA	ETFAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Pipefishes and Relatives (Gasterosteiformes)																									
Pipefish, opossum (<i>Ostetetus lineatus</i>)																									
Perches and Relatives (Perciformes)																									
Bass, Apalachicola redeye (<i>Micropogonias coosae</i>)													SC	SC											
Bass, shool (<i>Micropogonias</i> sp.) (Florida)													T												
Bass, spotted (<i>Micropogonias punctulatus</i>)													SC												
Bass, striped (<i>Morone saxatilis</i>)																									
Bass, Suwannee (<i>Micropogonias notatus</i>)													T												
Blenny, crested (<i>Hypsoblennius gemmatus</i>)													SC	SC											
Blenny, freckled (<i>Hypsoblennius ionthas</i>)													SC	SC											
Blenny, Key (<i>Starksia stearnsii</i>)													T												
Blenny, seaweed (<i>Blennius nemoreus</i>)													SC	SC											
Croaker, striped (<i>Caridina sanctaefelicis</i>)																									
Darter, crystal (<i>Ammocrypta apollina</i>)													T	E											
Darter, cyprin (<i>Etheostoma proeliare</i>)													T												

FISH	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREP	ETPA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Perches and Relatives (cont'd)																									
Darter, freckled (<i>Percina lenca</i>)																									
Darter, goldstripe (<i>Etheostoma parvipinne</i>)								T																	
Darter, harlequin (<i>Etheostoma batris</i>)								T																	
Darter, Okaloosa (<i>Etheostoma okaloosae</i>)								E																	
Darter, pinewoods (<i>Etheostoma caeruleum</i>)																									
Darter, rainbow (<i>Etheostoma marginare</i>)																									
Darter, salaluh (<i>Etheostoma saludae</i>)																									
Darter, western sand (<i>Ammocrypta clara</i>)																									
Darter, stargazing (<i>Percina obscurata</i>)																									
Darter, southern telesized (<i>Etheostoma olmstedi</i>)								T																	
Darter, Waccamaw (<i>Etheostoma perlongum</i>)																									
Goby, lyre (<i>Eviotodus lyricus</i>)																									
Goby, river (<i>Acantho tajacu</i>)																									
Goby, spottail (<i>Gobionellus stigmaturus</i>)																									

FISH	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCRPA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Perches and Relatives (cont'd)																							
Largemouth (<i>Percina caprodes</i>)																							
Mullet, mountain (<i>Agonostomus monticola</i>)																							
Sculpin, lowland banded (<i>Cottus carolinae infornatus</i>)																							
Sleeper, fat (<i>Dormitator maculatus</i>)																							
Sleeper, spinycheck (<i>Eleotris pisonis</i>)																							
Sunfish, black-banded (<i>Etheostomus chrysostomus</i>)																							
Sunfish, blue-spotted (<i>Etheostomus gloriae</i>)																							
Sunfish, mud (<i>Acanthocinus pomotis</i>)																							
Shad and Relatives (Clupeiformes)																							
Alewife (<i>Alosa pseudoharengus</i>)																							
Herring, blueback (<i>Alosa aestivalis</i>)																							
Shad, Alabama (<i>Alosa alabamae</i>)																							
Shad, American (<i>Alosa sapidissima</i>)																							
Shad, hickory (<i>Alosa mediocris</i>)																							

AMPHIBIANS	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNIP	SCHTP	ESG	FCREPAA	ETPAA	RTVAA	MSNHP	TDES	IUCN	SEWS	AFS	SSAR	AOU
Sirens (<i>Trachystomatidae</i>)																							
Dwarf siren, broad-striped (<i>Pseudobranchus s. striatus</i>)												SC											
Dwarf siren, Gulf Hammock (<i>Pseudobranchus s. luteicollis</i>)												SU										R(FL)	
Greater siren (<i>Siren lacertina</i>)					E							SC										PER (AL, VA)	
Salamanders (<i>Urodela</i>)												R											
Amphiuma, one-toed (<i>Amphiuma pholeter</i>)												E	R										
Blind salamander, Georgia (<i>Hazekettia wallacei</i>)				U								SC	R/U										
Flatwoods salamander (<i>Ambystoma cingulatum</i>)																	SU					E(AL), (SC)	
Four-toed salamander (<i>Hemidactylum tectatum</i>)					SU	SU	SC	R/U	R			SU											
Long-tailed salamander (<i>Eurycea longicauda</i>)																							
Many-lined salamander (<i>Stereoculis marginatus</i>)												SC	R/U	R									
Mabee's salamander (<i>Ambystoma mabeei</i>)												SC	R/U										
Mole salamander (<i>Ambystoma talpoideum</i>)																	R	R		SC			
Mud salamander, Gulf coast (<i>Pseudotriton montanus floridanus</i>)												SC	R/U										
Mud salamander, rusty (<i>Pseudotriton m. floridanus</i>)																	R(U)						

AMPHIBIANS	PROTECTED												LIS/FD											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETRNIC	NCNHP	SCHIP	ESG	FCREP	ETPA	IUCN	SEWS	AFS	SSAR	AOU	AB			
Salamanders (cont'd)																								
Newt, broken-striped (<i>Notophthalmus viridescens dorsalis</i>)																								
Newt, striped (<i>Notophthalmus personatus</i>)																								
Red-backed salamander, eastern (<i>Plethodon c. cinereus</i>)																								
Red-hills salamander (<i>Pseudoeurycea bimaculata</i>)	T																							
Red salamander, northern (<i>Pseudoeurycea r. ruber</i>)																								
Red salamander, southern (<i>Pseudoeurycea r. viscosa</i>)																								
Seal salamander, Appalachian (<i>Diploglossus m. monticola</i>)																								
Three-lined salamander (<i>Eurycea longicauda guttolineata</i>)																								
Tiger salamander, eastern (<i>Ambystoma t. tigrinum</i>)																								
Waterdog, dwarf (<i>Necturus punctatus</i>)																								
Waterdog, Neuse River (<i>Necturus lewisi</i>)																								
Frog and Toads (Anura)																								
American toad (<i>Bufo americanus</i>)																								
Carpenter frog (<i>Rana virgatipes</i>)																								

AMPHIBIANS	PROTECTED										LISTED											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCNHP	ESG	IUCN	MSNP	RTVM	IUCN	SSWS	AFS	SSAR	AOU	AB
Frogs and Toads (cont'd)																						
Chorus frog, Brimley's (<i>Pseudacris brimleyi</i>)											SC	R/U										
Chorus frog, upland (<i>Pseudacris triseriata feriarum</i>)											SC											
Gopher frog, Carolina (<i>Rana areolata capito</i>)											SC	SC	R/U							T	T(GA)	
Gopher frog, dusky (<i>Rana a. sevosa</i>)														T	R	R				T	T(AL), R(MS)	
Gopher frog, Florida (<i>Rana a. actopis</i>)								T			R/U	T					T			T	T(FL, GA)	
Green frog, (<i>Rana clamitans melanota</i>)													PER									
Gulf Coast toad (<i>Bufo valliceps</i>)													PER	PER								
Houston toad (<i>Bufo houstonensis</i>)		E						E							E	E	E	E	E	E	E(TX)	
Little grass frog (<i>Limnonectes ocellatus</i>)										R			SC								PER (AL)	
Mexican burrowing toad (<i>Rhinophryne dorsalis</i>)														PER							R(TX)	
Oak toad (<i>Bufo quercicus</i>)									R													
Pig frog (<i>Rana catesbeiana</i>)											SC										PER (TX)	
River frog (<i>Rana beccascenii</i>)											SC	R/PER	R								T(SC), R(AL), PER (MS)	
Treefrog, barking (<i>Hyla gratiosa</i>)									R													

		PROTECTED										LISTED													
AMPHIBIANS		US	CITES	NC	SC	GA	FL	MS	TX	RUSS	EBRNC	NCNHP	SCUTP	ESG	FCREP	ETPA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB
Frogs and Toads (cont'd)																									
Treefrog, bird-voiced (<i>Hyla arnoldi</i>)														SC											
Treefrog, pine barrens (<i>Hyla andersonii</i>)	E (FL ONLY)			E	E				T	T	SC	E	E						R	E.T	E.FL. GA, SC				
Treefrog, squirrel (<i>Hyla squirella</i>)																									
White-lipped frog (<i>Leptodactylus labialis</i>)																					PER	PER (TX)			
REPTILES																									
Crocodilians (<i>Crocodylia</i>)																									
American alligator (<i>Alligator mississippiensis</i>)	E&T App. I	E		E	T	E	E	E	E	E	SC	E	SC	T	E	E	E	EXTR	E	OD	SC		EAL, GA, MS, NC, SC, (FL)		
American crocodile (<i>Crocodylus acutus</i>)	E	App. II																		E	E	E	E(FL)		
Turtles (<i>Testudinata</i>)																		SU	R	R	SC	T(MS) R(FL)			
Alligator snapping turtle (<i>Macrochelys temminckii</i>)																									
Big Bend turtle (<i>Chrysemys scripta gaigeae</i>)																									
Box turtle, Florida (<i>Terrapene carolina bauri</i>)																				R/U					
Box turtle, Gulf Coast (<i>Terrapene c. major</i>)																				R/U					
Box turtle, three-toed (<i>Terrapene c. carolina</i>)																				R/U					

REPTILES	PROTECTED										LISTED														
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	MSSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Turtles (cont'd)																									
Chicken turtle, eastern (<i>Dermochelys r. reticularia</i>)																									
Cooter, Suwannee (<i>Careyemys concinna suwanneensis</i>)								T																	
Green turtle, Atlantic (<i>Caretta m. mydas</i>)								E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
Hawksbill, Atlantic (<i>Eretmochelys i. imbricata</i>)								E	E	E	E	E	E	E	E	E	E	E	R						
Leatherback, Atlantic (<i>Dermochelys c. coriacea</i>)								E	App. I	E	E	E	E	E	SC	E	R	E	R	E	E	T			
Loggerhead, Atlantic (<i>Caretta c. caretta</i>)								App. I		T	E	E	E	E	SC	E	T	E	E	R	E	T			
Map turtle, Alabama (<i>Graptemys pulchra</i>)																	R						PER	(FL)	
Map turtle, Barbour's (<i>Graptemys barbouri</i>)																	T	R	SC						
Map turtle, Mississippi (<i>Graptemys kohnii</i>)																							PER	(MS)	
Map turtle, Sabine (<i>Graptemys pseudogeographica</i> <i>salvinii</i>)																									
Map turtle, undescribed (<i>Graptemys</i> , sp.) (east Texas)																									
Mud turtle, Key (<i>Kinosternon b. baumii</i>)																	T						T		
Mud turtle, striped (<i>Kinosternon b. palmatum</i>)																									
Red-bellied turtle, Alabama (<i>Careyemys alabamensis</i>)																									

REPTILES	PROJECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHIP	ESG	FCRPA	EPPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Turtles (cont'd)																							
Ridley, Atlantic (<i>Lepidochelys kempii</i>)	E	App. I		E	E	E	E	E	E	E	SC	E	E	E	E	E	R	E	E	E	E	E	E(AL, FL, GA, NC, TX)
Sawback, black-knobbed (<i>Graptemys nigrinoda</i>)							E			T						E	E						E(MS)
Sawback, ringed (<i>Graptemys oculifera</i>)						T											T	T	T	T	T	T(MS)	
Sawback, yellow-blotched (<i>Graptemys flavimaculata</i>)						T											T	T	T	T	T	T(MS)	
Spotted turtle (<i>Clemmys guttata</i>)										SC	T	T											
Softshell, Florida (<i>Trionyx sferox</i>)										R/U		SC											
Softshell, Gulf Coast smooth (<i>Trionyx mucras carinatus</i>)										R													
Terrapin, Carolina diamondback (<i>Malaclemys terrapin centrata</i>)										R/U													
Terrapin, Mississippi diamondback (<i>Malaclemys s. pileata</i>)																	SU						
Terrapin, mangrove (<i>Malaclemys t. rhizophorarum</i>)																	R						
Tortoise, gopher (<i>Gopherus polyphemus</i>)	App. II			E			T										SC	T	T	R	R	T	E(IL, BOT, CAL, FL, GA, MS)
Tortoise, Texas (<i>Gopherus berlandieri</i>)	App. II																						
Snakes and Lizards (<i>Squamata</i>)																							R(TX)
Black-striped snake (<i>Comophis imperialis</i>)																							

REPTILES	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	TL	MS	IX	RUSS	EIBN	NC/NHP	SCHIP	ESG	FCREP	ETPA	RTVM	MS/NHP	IOPs	IUCN	SEWS	AFS	SSAR	AOU
Snakes and Lizards (cont'd)																							
Brown snake, Florida (<i>Storeria dekayi vicia</i>) (Lower Florida Keys)		T										T						T	T				
Car-eyed snake, northern (<i>Leptodeira s. septentrionalis</i>)													PER						PER (TX)				
Coal skink, southern (<i>Eumeces anthonacius plurivialis</i>)			T			SC																	
Copperhead, southern (<i>Agkistrodon c. contortrix</i>)												R							PER (FL)				
Coral snake, eastern (<i>Micruroides f. fulvius</i>)						SC			SC										R(MS) PER (NC)				
Corn snake (<i>Elaphe g. guttata</i>)											SC												
Cottonmouth, eastern (<i>Agkistrodon p. piscivorus</i>)						R																	
Crowned snake, rim rock (<i>Tantilla ocellata</i>)						T						T							T	T(FL)			
Crowned snake, southeastern (<i>Tantilla coronata</i>)											R			R/U						PER (LA)			
Glass lizard, island (<i>Ophisaurus compressus</i>)														R/U									
Glass lizard, eastern slender (<i>Ophisaurus attenuatus longicaudatus</i>)											R												
Green snake, western smooth (<i>Ophryodrys vernalis blanchardi</i>)																							
Hognose snake, southern (<i>Heterodon simus</i>)																							
Indigo snake, eastern (<i>Drymarchon corais couperi</i>)	T					T						SC	E	E	E/EXT	E			T		E(FL) MST (LA)		

REPTILES	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHITP	ESG	FCREPAA	EPA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Snakes and Lizards (cont'd)																							
Kingsnake, blotched (<i>Lampropeltis getula gularis</i>) (= <i>L. g. getula</i> X <i>floridana</i>)																		R				R(FL)	
Kingsnake, eastern (<i>Lampropeltis g. getula</i>)																		SC					
Kingsnake, outer banks (<i>Lampropeltis g. striiceps</i>)																		SC				T(NC)	
Kingsnake, scarlet (<i>Lampropeltis triangulum elapsoides</i>)																		SC				R(MS) PER (AL, VA)	
Milk snake, Coastal Plain (<i>Lampropeltis t. temporalis</i>) (= <i>L. t. triangulum</i> X <i>elapsoides</i>)																		R					
Mole skink, blue-tailed (<i>Eumeces e. eregius</i> / <i>irridens</i>)																		T				T(FL)	
Mole skink, Cedar Key (<i>Eumeces e. insularis</i>)																		R				SC	
Mole skink, Florida Keys (<i>Eumeces e. eregius</i>)																		T				T(FL)	
Mole snake (<i>Lampropeltis calligaster</i> <i>rhombomaculata</i>)																		R				R(MS) PER (FL)	
Mud snake, eastern (<i>Ficimia a. abacura</i>)																		R					
Pine snake, black (<i>Pituophis melanoleucus lodingi</i>)																		E				E(MS)	
Pine snake, Florida (<i>Pituophis m. mitchii</i>)																		R/U				T(AL, LA)	
Pine Snake, Louisiana (<i>Pituophis m. ratibeni</i>)																		SC				T(GA) R(AL)	
Pine snake, northern (<i>Pituophis m. melanoleucus</i>)																		E				E(VA)	
																		SC				T(GA)	

REPTILES	PROTECTED												LISTED												
	US	CITES	NC	SC	G.A.	F.L.	MS	TX	RUSS	ETBNC	NCNHP	SCHT ^a	ESG	FCREPAA	EPA	RIVM	MSNH	IUCN	STWS	AfS	SSAR	AOU	AB		
Snakes and Lizards (cont'd)																									
Pine woods snake (<i>Rhadinaea</i> <i>lalandii</i>)													SC	R/U		SC	R	R							E(LA) R(AL, MS)
Prairie skink, southern (<i>Eumeces septentrionalis obtusirostris</i>)																									PER (LA)
Queen snake (<i>Regina septemvittata</i>)																									PER (MS)
Racer, black-masked (<i>Crotaphopeltis litoralis</i>)																									
Racer, speckled (<i>Drymobius margaritiferus</i>)													PE												
Rainbow snake (<i>Farancia erytrogramma</i>)													E	R	SC			E	E						E(MS) T(LA)
Rat snake, rosy (<i>Echis cossoides rosacea</i>) (=E. g. <i>guttata</i>)													T				T								
Rat snake, yellow (<i>Echis obovata quadrivittata</i>)																SC									
Rattlesnake, canebrake (<i>Crotalus horridus atricaudatus</i>)													E	E	SC	R/U	SC								E(UA, SCOT (GA)) PER (NC)
Rattlesnake, eastern diamondback (<i>Crotalus adamanteus</i>)																									PER (MS)
Ribbon snake, Gulf Coast (<i>Thamnophis proximus orianus</i>)																									
Ribbon snake, peninsula (<i>Thamnophis sirtalis sackeni</i>) (Lower Florida Keys)													T						T						T(FL)
Ringneck snake, Key (<i>Diadophis punctatus acricus</i>)													T						T						T(FL)
Salt marsh snake, Atlantic (<i>Nerodia fasciata luteata</i>)													T						E						E(FL)

REPTILES	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHIP	ESG	FCREP	ETPA	RTVM	MSNHP	TOES	IUCN	SFWS	AFS	SSAR	AOU	AB	
Snakes and Lizards (cont'd)																									
Salt marsh snake, Carolina (<i>Nerodia sipedon williamsoni</i>)																									
Salt marsh snake, Gulf (<i>Nerodia fasciata clarkii</i>)																									
Sand skink (<i>Neoseps rayoldsi</i>)					T																				
Scarlet snake, northern (<i>Cemophora coccinea coccinea</i>)																									
Scrub lizard, Florida (<i>Sceloporus woodi</i>)																									
Short-tailed snake (<i>Stenorrhina extenuatum</i>)							E																		
Swamp snake, North Florida (<i>Seminatrix p. pygmaea</i>)																	SC								
Swamp snake, striped (<i>Regina alleni</i>)																	R/U								
Water snake, brown (<i>Nerodia taxispilota</i>)																	R	SC							
Water snake, Gulf glossy (<i>Regina rigida spinicola</i>)																			R	R					
Water snake, Florida green (<i>Nerodia cyclopion floridana</i>)																				SC					
Water snake, red-bellied (<i>Nerodia e. erythrogaster</i>)																				R					

BIRDS		PROTECTED										LISTED												
		US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHT	FSG	FCREPATPAA	RTVM	MSNHP	TOES	IUCN	SFWS	AFS	SSAR	AOU	AB
Grebes (<i>Podicipediformes</i>)																								
Grebe, least (<i>Podiceps dominicus</i>)																					PER			
Grebe, red-necked (<i>Podiceps grisegena</i>)																					BL			
Pelicans and Allies (<i>Pelecaniformes</i>)																								
Anhinga (<i>Anhinga anhinga</i>)						T	T																	
Cormorant, double-crested (<i>Phalacrocorax auritus</i>)							T	T																
Cormorant, oliveaceous (<i>Phalacrocorax olivaceus</i>)														D										
Magnificent frigatebird (<i>Fregata magnificens rotundirostris</i>)						T																		
Pelican, eastern brown (<i>Pelecanus occidentalis carolinensis</i>)	E	E	E	T	E	E	E	SC	E	T	E	E	E	E	E	E	E	E	E	SC	SC	BL		
Pelican, white (<i>Pelecanus erythrorhynchos</i>)																								
Waterfowl (<i>Anseriformes</i>)																								
Canvasback (<i>Aythya valisineria</i>)																						BL		
Duck, black (<i>Anas rubripes</i>)																								
Duck, fulvous whistling (<i>Dendrocygna bicolor</i>)																				E				
Duck, masked (<i>Oxyura dominica</i>)																				PER				

BIRDS	PROTECTED										LISTED											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPA	ETPAA	IUCN	TOES	MSNHP	RTVM	AFS	SSAR	AOU
Waterfowl (cont'd)																						
Duck, morded (<i>Anas fuligula</i>)																						
Vultures, Hawks and Falcons (Falconiformes)																						
Caracara, Audubon's (<i>Caracara cheriway audubonii</i>)				T																E		BL
Eagle, golden (<i>Aquila chrysaetos</i>)		App. II							T	T	SC			E	R	R	D	T				
Eagle, southern bald (<i>Haliaeetus leucocephalus</i>)	E	App. I	E	E	T	E	E	E	E	SC	E	T	E	E	E	E	R	E			SU	
Falcon, American peregrine (<i>Falco peregrinus anatum</i>)	E	App. I	E	E	E	E	E	E	E	SC	E	E	E	E	E	E	R	E			E	E
Falcon, arctic peregrine (<i>Falco p. tundrius</i>)	E	App. I	E	E	E	E	E	E		SC	E	E	E	E	E	E	R	E			E	E
Hawk, black (<i>Buteogallus anthracinus</i>)																			R			
Hawk, broad-winged (<i>Buteo p. platypterus</i>)										SU												
Hawk, Cooper's (<i>Accipiter cooperii</i>)									T	T	R/U	SC	SC	SC	SC	SC					SC	BL
Hawk, grey (<i>Buteo nitidus</i>)																				PER		
Hawk, Harris (<i>Pambuteo unicinctus</i>)																	PER/	PER			BL	
Hawk, marsh (<i>Circus cyaneus</i>)										SU	SC				SC					SC	BL	

BIRDS	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Vultures, Hawks and Falcons (cont'd)																									
Hawk, red-shouldered (<i>Buteo lineatus</i>)										T	T	SU	SC	SC	SU	SC	SC							BL	
Hawk, red-tailed (<i>Buteo jamaicensis</i>)										SC															
Hawk, sharp-shinned (<i>Accipiter striatus velox</i>)										T	T	T	SC	SC	SU	SC	SC							BL	
Hawk, short-tailed (<i>Buteo brachyurus</i>)												R													
Hawk, white-tailed (<i>Buteo albicollis</i>)										T	T	T		SU	SC			D						BL	
Kestrel, Eastern American (<i>Falco s. sparverius</i>)										T				T											
Kestrel, Southeastern American (<i>Falco s. paulus</i>)														T				SU							
Kite, Florida Everglade (<i>Roribamus sociabilis plumbeus</i>)	E												E							E	E				
Kite, Mississippi (<i>Ictinia mississippiensis</i>)										SU		T													
Kite, swallow-tailed (<i>Elanoides forficatus</i>)										SU	SC	E		SC	R	R									
Kite, white-tailed (<i>Elanus leucurus</i>)														R											
Merlin (<i>Falco columbarius</i>)										T	T			SU	SC	SU	SC	D		SU				BL	
Owl, barred (<i>Strix varia</i>)										T				SC	SC	RU	T	E	SU	SC	E			BL	
Vulture, black (<i>Cathartes aura</i>)												T	T					SU	SC					SC	

App. II

BIRDS	PROTECTED										LISTED													
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBN	NCNHP	SCHTP	ESG	FCRPA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB
Vultures, Hawks and Falcons (cont'd)																								
Vulture, turkey (<i>Cathartes aura</i>)									T	T														
Gallinaceous Birds (Galliformes)																						SC		
Prairie chicken, Attwater's greater (<i>Tympanuchus cupido attwateri</i>)	E	App. I							E															
Turkey, eastern (<i>Meleagris gallopavo silvestris</i>)																								
Heros and Egrets (Ciconiiformes)																								
Bittern, American (<i>Botaurus lentiginosus</i>)									SU															
Bittern, eastern least (<i>Ixobrychus exilis</i>)									T	T														
Egret, great (<i>Casmerodius albus</i>)									SC															
Egret, reddish (<i>Dichromantissa rufescens</i>)																			R	T	R/PER	R	E	T
Egret, snowy (<i>Egretta thula</i>)									SC										SC					
Flamingo, American (<i>Phoenicopterus ruber</i>)																			EXTR					
Heron, eastern great blue (<i>Ardea b. herodias</i>)																			SC					
Heron, great white (<i>Ardea b. occidentalis</i>)									T										R			SC		
Heron, little blue (<i>Florida carolinensis</i>)									SC										SC					

BIRDS	PROTECTED										LISTED												
	US	CITIES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Heros and Egrets (cont'd)																							
Heron, Louisiana (<i>Hydrophasian tricolor</i>)											SC												
Ibis, eastern glossy (<i>Plegadis falcinellus</i>)											SC												
Ibis, scarlet (<i>Eudocimus ruber</i>)											SU												
Ibis, white (<i>Eudocimus albus</i>)											SC												
Ibis, white-faced (<i>Plegadis chihi</i>)																		PER/ SU	PER	D	T		
Night heron, black-crowned (<i>Nycticorax nycticorax</i>)											SC											BL	
Night heron, yellow-crowned (<i>Nyctanassa violacea</i>)											SC											BL	
Spoonbill, roseate (<i>Platalea ajaja</i>)																		R	EXTR				
Stork, wood (<i>Mycetaria americana</i>)											E							T					
Cranes and Rails (Gruidae)																							
Crane, Florida sandhill (<i>Grus canadensis pratensis</i>)											App. II								R	T			
Crane, Mississippi sandhill (<i>Grus c. pulla</i>)	E	App. I									E							E			E		
Crane, whooping (<i>Grus americana</i>)	E	App. I									E							E	E	E	E		
Gallinule, common (<i>Gallinula chloropus</i>)																		SC					

BIRDS	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPA	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Cranes and Rails (cont'd)																									
Gallinule, purple (<i>Porphyrio martinica</i>)													SC												
Limpkin (<i>Aramus guarauna</i>)													R/U												
Rail, black (<i>Laterallus jamaicensis</i>)													SU	SU	SU	SC	R	R							
Rail, Florida clapper (<i>Rallus longirostris scottii</i>)													SU	SU	SU	SC	R	R							
Rail, mangrove clapper (<i>Rallus I. insularum</i>)													SU	SU	SU	SC	R	R							
Rail, king (<i>Rallus elegans</i>)													SC												
Rail, Virginia (<i>Rallus limicola</i>)													SU	SU	SU										
Rail, yellow (<i>Coturnicops noveboracensis</i>)													SU	SU	SU	SC	R	R							
Shorebirds, Gulls (<i>Charadriiformes</i>)																									
Avocet, American (<i>Recurvirostra americana</i>)													SC												
Curlew, eckimo (<i>Numerius borealis</i>)	E	App. I		E			E						SC							E	E	E	E	E	
Gull, laughing (<i>Larus atricilla</i>)																									
Jacana (<i>Jacana spinosa</i>)																								R	
Noddy, brown (<i>Anous stolidus</i>)													SC												

BIRDS	PROTECTED												LISTED											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	EBNC	NCNHP	SCHTP	ESG	FCREPA	ETPAA	RIVM	IUCN	SEWS	AFS	SSAR	AOU	AB		
Shorebirds, Gulls (cont'd)																								
Oystercatcher, American (<i>Hemimopus palliatus</i>)					T								T	SC	R	R	D	SC				BL		
Plover, piping (<i>Charadrius melanotos</i>)													SC		SU	SC		SC				BL		
Plover, snowy (<i>Charadrius alexandrinus nivosus</i>)													E				E	R	R	T		BL		
Plover, Cuban snowy (<i>Charadrius a. teunisiorum</i>)				E									E											
Plover, Wilson's (<i>Charadrius w. wilsonia</i>)													SC											
Skiimmer, black (<i>Rynchops n. niger</i>)													SC											
Stilt, black-necked (<i>Himantopus mexicanus</i>)													R/U											
Tern, Caspian (<i>Sterna caspia</i>)													SC											
Tern, common (<i>Sterna hirundo</i>)													SC											
Tern, gull-billed (<i>Gelochelidon nilotica</i>)														R	R		R		SC			BL		
Tern, eastern least (<i>Sterna albifrons antillarum</i>)													T	R	R	R		SC			BL			
Tern, interior least (<i>Sterna a. albifrons</i>)													PE				R	R	SC		E/SU	BL		
Tern, roseate (<i>Sterna dougallii</i>)													T			T		SC						

BIRDS	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	EBNCA	NCNHP	SCHTP	ESG	FCREPAA	FTPAA	RTVAA	MSNHP	TOES	IUCN	SFWs	AFS	SSAR	AOU	AB	
Shorebirds, Gulls (cont'd)																									
Tern, royal (<i>Sterna m. maxima</i>)											SC														
Tern, sandwich (<i>Sterna sandricensis</i>)											SC														
Tern, sooty (<i>Sterna f. fuscata</i>)											SC														
Pigeons and Doves (<i>Columbiformes</i>)																									
Dove, Key West quail (<i>Geotrygon chrysia</i>)														REC	EXTR										
Dove, Zenaida (<i>Zenaida aurita zenaidura</i>)														REC	EXTR										
Pigeon, passenger (<i>Ectopistes migratorius</i>)														REC	EX- TINCT										
Pigeon, red-billed (<i>Columba flavirostris</i>)																									
Pigeon, white-crowned (<i>Columba leucocephala</i>)																									
Parrots (<i>Psittaciformes</i>)																									
Parakeet, Carolina (<i>Conureopsis carolinensis</i>)																									
Cuckoos (<i>Cuculiformes</i>)																									
Cuckoo, black-billed (<i>Coccyzus erythrophthalmus</i>)																									
Cuckoo, mangrove (<i>Coccyzus minor maynardi</i>)																									

BIRDS	PROTECTED										LISTED											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	RTVAA	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Cuckoos (cont'd)																						
Cuckoo, yellow-billed (<i>Coccyzus americanus</i>)																						BL
Owls (Strigiformes)																						
Owl, barn (<i>Tyto alba</i>)																						BL
Owl, Florida burrowing (<i>Athene cunicularia floridana</i>)																						BL
Owl, western burrowing (<i>Athene c. hypugaea</i>)																						BL
Owl, ferruginous (<i>Glaucidium brasilianum</i>)																						PER
Owl, saw-whet (<i>Asio acadicus</i>)																						PER
Goatsuckers (Caprimulgiformes)																						BL
Nighthawk, Antillian (<i>Chordeiles minor vicinus</i>)																						BL
Nighthawk, West Indian (<i>Chordeiles m. gundlachii</i>)																						BL
Hummingbirds and Swifts (Apodiformes)																						PER
Hummingbird, buff-bellied (<i>Amazilia yucatanensis</i>)																						

BIRDS	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNIC	NCNHP	SCHTP	ESG	FCREP	ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AfS	SSAR	AOU
Kingfishers (Coraciiformes)																							
Kingfisher, ringed (<i>Megaceryle torquata</i>)																							
Woodpeckers (Piciformes)																							
Sapsucker, yellow-bellied (<i>Sphyrapicus varius</i>)																							
Woodpecker, southern hairy (<i>Picoides villosus audubonii</i>)																							
Woodpecker, ivory-billed (<i>Campetherus principalis</i>)	E	E	E	E	E	E	E	E				SC	E	E	E	E	E	E					
Woodpecker, red-cockaded (<i>Picoides borealis</i>)	E	E	E	E	E	E	E	E				SC	E	E	E	E	E	E					
Woodpecker, red-headed (<i>Melanerpes erythrocephalus</i>)												SC	E	E	E	E	E	E					
Perching Birds (Passeriformes)																							
Beard, rose-throated (<i>Platyrinchus aglaiae</i>)																							
Bluebird, eastern (<i>Sialia s. sialis</i>)												SC											
Chat, yellow-breasted (<i>Icteria virens</i>)																							
Creep, brown (<i>Certhia familiaris</i>)													T	T									
Crossbill, red (<i>Loxia curvirostra</i>)												SU								R			
Crow, Mexican (<i>Corvus imparatus</i>)																					PER		

BIRDS	PROTECTED										LISTED										
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	EIBNC	NCNHP	SCHTP	ESG	FCRPA	EPAA	RTVM	IUCN	SFWs	AFS	SSAR	AOU
Perching Birds (cont'd)																					
Flycatcher, beardless (<i>Campostoma imberbe</i>)																					
Flycatcher, scissor-tailed (<i>Myiarchus forficatus</i>)																				PER	
Flycatcher, Trail's (<i>Empidonax hammondi</i>)																					
Gackle, Florida purple (<i>Quiscalus q. quisca</i>)																					
Jay, Florida scrub (<i>Apelocoma c. coerulescens</i>)																					
Kingbird, gray (<i>Tyrannus dominicensis</i>)																					
Kinglet, eastern golden-crowned (<i>Regulus s. satrapa</i>)																					
Martin, purple (<i>Progne s. subis</i>)																					
Nuthatch, red-breasted (<i>Sitta canadensis</i>)																					
Nuthatch, Florida white-breasted (<i>Sitta c. carolinensis</i>)																					
Raven, common (<i>Corvus corax</i>)																					
Redstart, American (<i>Setophaga r. ruticilla</i>)																					
Seedeater, white-collared (<i>Sporophila torqueola</i>)																				PER	
Shrike, loggerhead (<i>Lanius ludovicianus</i>)																					BL

BIRDS	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHP	ESG	FCREPA	ETPAA	RIVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Peteching Birds (cont'd)																							
Sparrow, Bachman's (<i>Aimophila aestivalis</i>)									R	T	T											BL	
Sparrow, Bottari's (<i>Aimophila bottae</i>)																							
Sparrow, Florida grasshopper (<i>Ammodramus savannarum</i>)	E																						
Sparrow, eastern Henslow's (<i>Ammodramus bengalensis</i>)	R	SC																					BL
Sparrow, Ipswich (<i>Passerulus sandwichensis princeps</i>)			SC																				
Sparrow, Cape Sable seaside (<i>Ammospiza maritima mirabilis</i>)	E	E																					
Sparrow, dusky seaside (<i>Ammospiza m. nigrescens</i>)	E																						E
Sparrow, Louisiana seaside (<i>Ammospiza m. fuscipes</i>)			T																				
Sparrow, Scott's seaside (<i>Ammospiza m. peninsulae</i>)				SC																			
Sparrow, Snyrna seaside (<i>Ammospiza m. pelotona</i>)					SU																		E
Sparrow, Wakulla seaside (<i>Ammospiza m. junicola</i>)					R																		
Sparrow, vesper (<i>Pooecetes gramineus</i>)				SU																			BL
Swallow, cliff (<i>Petrochelidon pyrrhonota</i>)			T																				BL
Thrush, eastern Swainson's (<i>Cathartes ustulatus swainsoni</i>)				SU																			

BIRDS	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RTVM	MSNH	TOES	IUCN	SEWS	AFS	SSAR	AOU
Perching Birds (cont'd)																							
Vireo, Bell's (<i>Vireo b. bellii</i>)																		PER/ SU	PER				BL
Vireo, black-whiskered (<i>Vireo altiloquus barbatus</i>)																		R					
Vireo, warbling (<i>Vireo gilvus</i>)																	T	T	T				
Vireo, yellow-green (<i>Vireo flavoviridis</i>)																					PER		
Warbler, Bachman's (<i>Vermivora bachmannii</i>)	E		E	E	E	E	E	E									E	E	E	D	E	E	E
Warbler, black and white (<i>Mniotilla varia</i>)																	SU						
Warbler, Wayne's black-throated green (<i>Dendroica virens waynei</i>)																	SC						
Warbler, golden-cheeked (<i>Dendroica chrysoparia</i>)																			E	R			
Warbler, Kirland's (<i>Dendroica kirtlandii</i>)	E		E	E	E												SC	E	E		D	E	
Warbler, tropical parula (<i>Parula pitayumi</i>)																				PER			
Warbler, Florida prairie (<i>Dendroica discolor paludicola</i>)																	SC						
Warbler, prothonotary (<i>Protonotaria citrea</i>)																	SC						
Warbler, Swainson's (<i>Limnothlypis swainsonii</i>)																	R	SC	SC	SC	SC	SC	
Warbler, worm-eating (<i>Helminthophorus oernicorvus</i>)																	SU					SC	

BIRDS	PROTECTED										LISTED										
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPA	ETPAA	RTVM	IUCN	SWS	AFS	SSAR	AOU
Perching Birds (cont'd)																					
Warbler, Cuban yellow (<i>Dendroica petechia gundlachii</i>)									SC				R								
Warbler, eastern yellow (<i>Dendroica p. aestiva</i>)									SC												BL
Warbler, Stoddard's yellow-throated (<i>Dendroica dominica stoddardi</i>)									SU												
Waterthrush, Louisiana (<i>Selvatura motacilla</i>)												R									
Wren, Bewick's (<i>Troglodytes bewickii</i>)									T	T		R/U		SC	SU	SC		SC			BL
Wren, Marian's marsh (<i>Telmatodyle palustris mariniae</i>)											T			SC							
Wren, Worthington's marsh (<i>Telmatodyle p. griseus</i>)													SC								
MAMMALS																					
Insect-eating Mammals (<i>Insectivora</i>)									R	SU		SC	R/U								
Mole, star-nosed (<i>Condylura c. cristata</i>)																					
Shrew, Homosassa (<i>Sorex longirostris eionis</i>)												R									SC
Shrew, pigmy (<i>Microtorex boylii unneemana</i>)									R		SU		R/U								SU/SC
Shrew, short-tailed (<i>Blarina brevicauda</i>)																			PER		
Shrew, Dianal Swamp short-tailed (<i>Blarina tetmaleutes</i>)									R	SU										SC	

MAMMALS	PROJECTED										LISTED											
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SC/TP	ESG	FCREP/ETPAA	RTVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Insect-eating Mammals (cont'd)																						
Shrew, Sherman's short-tailed (<i>Blarina brevicauda sbermani</i>)												SU							SU			
Shrew, southeastern (<i>Sorex l. longirostris</i>)												SC	R	SC	R							
Shrew, Dismal Swamp southeastern (<i>Sorex l. faberi</i>)												R	SU	SU								SC
Bats (<i>Chiroptera</i>)																						
Big brown bat (<i>Eptesicus fuscus</i>)													R									
Big eared bat (<i>Plecotus rafinesquii macrotous</i>)												E										
Big eared bat, southeastern (<i>Plecotus rafinesquii</i>)												E	SU	SU								SC
Free-tailed bat (<i>Tadarida brasiliensis</i>)												SU										
Gray bat (<i>Mystacinus grisescens</i>)												R	SU	SU								PER/R
Hoary bat (<i>Lasiurus c. cinereus</i>)																						
Indiana bat (<i>Mystacinus soldalis</i>)												E	E	SC								
Ken's bat (<i>Mystacinus kennii</i>)																						
Lappet-chinned bat (<i>Harmoopus megalophylla senicula</i>)																						PER
Little brown bat (<i>Myotis lucifugus</i>)												SU	SU									PER

MAMMALS	PROTECTED												LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPAA	ETPAA	RIVM	MSNHP	TOES	IUCN	SEWS	AFS	SSAR	AOU	AB	
Insect-eating Mammals (cont'd)																									
Mastiff bat, Florida <i>(Eumops glaucinus floridanus)</i>																									
Seminole bat <i>(Lasiurus seminotus)</i>													SU	SU											
Silver-haired bat <i>(Lasiorhynchus noctivagans)</i>													SU												
Southeastern myotis <i>(Myotis austroriparius)</i>													SU												
Yellow bat <i>(Lasurus intermedius)</i>																									
Yellow bat, western <i>(Lasurus ega)</i>																									
Rabbits and Hares <i>(Lagomorpha)</i>													R												
Marsh rabbit <i>(Sylvilagus p. palustris)</i>																									
Wood rabbit <i>(Sylvilagus transitionalis)</i>													SU												
Rodents <i>(Rodentia)</i>																									
Beach mouse, Choctawhatchee <i>(Peromyscus polionotus allopteryx)</i>													T												
Beach mouse, pallid <i>(Peromyscus p. decoloratus)</i>													E												
Beach mouse, Perdido Bay <i>(Peromyscus p. trisulensis)</i>													T	E											
Beach mouse, white-fronted <i>(Peromyscus p. ammobates)</i>																									E

MAMMALS	PROTECTED						LISTED					
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP
Rodents (cont'd)												
Beaver (<i>Castor canadensis</i>)												
Bog lemming, Dismal Swamp (<i>Sympotomys cooperi belakites</i>)					E	SU						
Chipmunk, eastern (<i>Tamias striatus</i>)								R				
Cotton mouse, Anastasia Island (<i>Peromyscus gossypinus anastasae</i>)								E	SU			SU
Cotton mouse, Key Largo (<i>Peromyscus g. allapaticula</i>)					E			E				E
Cotton rat, Captiva Island (<i>Sigmodon hispidus insulicola</i>)							SU					
Cotton rat, Lower Keys (<i>Sigmodon b. exsiccatus</i>)					T		T					T
Cotton rat, Virginia (<i>Sigmodon b. virginianus</i>)												
Cotton rat, yellow-toed (<i>Sigmodon o. ochrogaster</i>)								R				
Florida mouse (<i>Peromyscus floridanus</i>)					T			T				T
Fox squirrel, mangrove (<i>Sciurus niger amoenus</i>)					E			E				E
Fox squirrel, Sherman's (<i>Sciurus n. shermani</i>)					T			SU	T			T
Fox squirrel, southeastern (<i>Sciurus n. niger</i>)							R	SU	SC			
Flying squirrel, southern (<i>Glaucostomys volans queretari</i>)							SU					

MAMMALS	PROTECTED										LISTED										
	US	CITIES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	INCNHP	SCHTP	ESG	FCREP	AFTPA	RTVM	IUCN	SEWS	AFS	SSAR	AOU
Rodents (cont'd)																					
Gray squirrel, bayou (<i>Sciurus carolinensis fuliginosus</i>)													SC								
Harvest mouse, dwarf (<i>Reithrodontomys fulvescens</i>)																					
Jumping mouse, meadow (<i>Zapus hudsonius americanus</i>)													SU								
Muskrat, round-tailed (<i>Ondatra zibethicus</i>)													E	SC							
Pocket gopher, colonial (<i>Geomys californicus</i>)													T								
Pocket gopher, Cumberland Island (<i>Geomys cumberlandicus</i>)													E/EXT								
Pocket gopher, Goff's (<i>Geomys pinetis goffi</i>)													E								
Pocket gopher, Sherman's (<i>Geomys fontanus</i>)													T								
Rice rat, Cudjoe Key (<i>Oryzomys sp.</i>)													E								
Rice rat, Pine Island (<i>Oryzomys palustris planirostris</i>)													SU								
Spiny mouse (<i>Peromyscus maniculatus</i>)																					
Vole, Louisiana (<i>Microtus ochrogaster</i>)																					
Vole, Dismal Swamp meadow (<i>Microtus pennsylvanicus migrans</i>)													SU	SU							

MAMMALS	PROTECTED							LISTED														
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREPA	EPA	RTVM	MSNHP	IUCN	SEWS	AFS	SSAR	AOU
Rodents (cont'd)																						
Vole, pine (<i>Peromyscus pinetorum</i>)																			PER			
Vole, Gapper's red-backed (<i>Clethrionomys gapperi mazanus</i>)																			T			
Wood rat (<i>Neotoma f. floridana</i>)									SU	SU	SU											
Wood rat, Key Largo (<i>Neotoma f. smallii</i>)													E						E			
Carnivores (Carnivora)																						
Black bear (<i>Ursus americanus</i>)								T										E	T	T	R	
Black bear, Florida (<i>Ursus a. floridanus</i>)								T										T	E			T
Coatiundi (<i>Nasua narica molensis</i>)																						PER
Jaguar (<i>Felis onca vicecrucis</i>)	E	App. I							E												PER	PER
Jaguarundi (<i>Felis yagouaroundi cacomitli</i>)	E	App. I							E									E				
Mink (<i>Mustela v. vison</i>)																			SU/SC			
Mink, Everglades (<i>Mustela v. evergladensis</i>)									T										T			
Mink, Florida (<i>Mustela v. lutreola</i>)																		R			SC	
Mink, Southern (<i>Mustela v. mink</i>)																		R				

MAMMALS	PROTECTED										LISTED												
	US	CITES	NC	SC	GA	FL	MS	TX	RUSS	ETBNC	NCNHP	SCHTP	ESG	FCREFA	ETPAA	RIVM	MSNIP	TOES	IUCN	SEWS	AFS	SSAR	AOU
Carnivores (cont'd)																							
Ocelot (<i>Felis pardalis atrofasciata</i>)	E	App. II																					
Otter, river (<i>Lutra canadensis</i>)		App. II						E											R	V	PER		
Panther (<i>Felis concolor concolor</i>)	E	App. I	E	E		E			E	E	E	SC		E				D	E				
Panther (<i>Felis c. stanleyana</i>)		App. II																R		E			
Panther, Florida (<i>Felis c. coryi</i>)	E	App. I			E	E	E						E	E	E	E	E	E	E	E			
Raccoon, Key West (<i>Procyon lotor aztecus</i>)					T								T			T							
Weasel, Florida (<i>Mustela frenata peninsulae</i>)													R										
Weasel, southeastern (<i>Mustela f. obscurus</i>)													SU	R									
Wolf, gray (<i>Canis lupus lycaon</i>)	E	App. II											REC										
Wolf, gray (<i>Canis l. monstrabilis</i>)	E	App. I						E					EX-										
Wolf, red (<i>Canis rufus</i>)	E							E	E				REC		E	PER/	E	E	E	E	E		
Seals (<i>Phocidae</i>)													EX-										
West Indian monk seal (<i>Momotus tropicalis</i>)	E	App. I											TINCT								E	E	

